



Fiber Optic Chemical Sensors

Sensor properties:

- Fast response
- Small size
- Negligible power consumption
- Vibration, g-load, and EMI - tolerant
- Sensitive, selective, and wide dynamic range

Applications

- Combustion experiments: far-field bulk gas concentrations
- Combustion Facilities
 - ISS Fluids and Combustion Facility
 - FOMA (Fuel and Oxidizer Mixing Assembly)
 - Gas Venting Facility

MICROGRAVITY SCIENCE DIVISION
SPACE DIRECTORATE